

Amendments to the Claims:

This Listing of Claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A temperature adjusting device for adjusting a temperature of a soldering iron, comprising:

a temperature control section having a moveable member moveable to change an electric parameter as a function of the movement of the moveable member, the temperature control section controlling the temperature of the soldering iron in accordance with the electric parameter;

a manipulation member which is to be detachably coupled to the moveable member to move the moveable member to change the electric parameter; and

an indicator interrelated with the moveable member to indicate an adjusted temperature, the indicator being capable of making the indication even when the manipulation member has been detached from moveable member.

2. (Previously Presented) A temperature adjusting device according to claim 1, wherein the moveable member is rotatable, and the manipulation member includes a knob which is to be co-rotatably coupled with the moveable member to manually rotate the moveable member.

3. (Previously Presented) A temperature adjusting device according to claim 2, wherein the indicator includes an indication panel having a temperature scale, a rotary disk located behind the indication panel and rotatable with the moveable member, and a light emitting member mounted on the rotary disk and arranged to indicate the adjusted temperature with reference to the temperature scale.

4. (Previously Presented) A temperature adjusting device according to claim 3, wherein the light emitting member is a light emitting diode.

5. (Previously Presented) A temperature adjusting device according to claim 3 wherein the indication panel is slanted from a vertical plane.

6. (Previously Presented) A temperature adjusting device according to claim 3 wherein the indication panel is formed with a hole, the manipulation member further includes a cylindrical engaging member which is to be inserted through the hole of the indication panel to be co-rotatably coupled with the moveable member, said moveable member being located behind the indication panel to be moved by the cylindrical engaging member.

7. (Previously Presented) A temperature adjusting device according to claim 6, further comprising a holder for fittingly holding the cylindrical engaging member within the hole of the indication panel.

8. (Previously Presented) A temperature adjusting device according to claim 3, further comprising a sensor for detecting the temperature of the soldering iron, and wherein said temperature control section further includes a comparator for comparing the output of the sensor with a signal representative of a temperature set as a function the electric parameter determined by the movement of the moveable member, and a feedback circuit for controlling the temperature of the soldering iron in accordance with the comparison by the comparator.

9. (Previously Presented) A temperature adjusting device according to claim 1 further comprising a housing having a front plane on which an indication panel is located, and opposite side walls each of which is formed with a hole for fixing the housing.

10. (Previously Presented) A temperature adjusting device according to claim 1 further comprising a housing having a front plane on which an indication panel is located with a hole being formed on the indication panel, and wherein said movable member includes a rotary shaft and a rotary disk integrally coupled with the rotary shaft to co-rotate therewith, said manipulation member includes a knob and a cylindrical engaging member, the hole of the indication panel being capable of accepting the engaging member such that the engaging

member can insert into the housing through the hole, the engaging member and the rotary disk having a coupler for co-rotatably coupling them.

11. (Previously Presented) A temperature adjusting device according to claim 10 wherein said indicator includes a light emitting member mounted on the rotary disk to rotate therewith, a scale formed on the indication panel along the track of the light emitting member, and a transparent window formed on the indication panel such that the light emitting member can be seen therethrough.

12. (Newly Added) A system for adjusting temperature to control the temperature of a soldering iron, the system comprising:

a temperature setting member having a pin;

a temperature adjusting device having a temperature control that is adjustable to control the power delivered to the soldering iron, where the temperature control is adapted to releasably couple to the pin of the temperature setting member to allow the temperature setting member to adjust the temperature control.

13. (Newly Added) The system according to claim 12, further including an indicator coupled to the temperature control to indicate the adjustment made to the temperature control.

14. (Newly Added) The system according to claim 12, where the temperature control is relatable relative to the temperature adjustment device, and the temperature setting member includes a knob that is co-rotatably coupled with the temperature control to manually rotate the temperature control.

15. (Newly Added) The system according to claim 12, where the temperature adjusting device has an indication panel having a temperature scale, a rotary disk located behind the indication panel and rotatable with the temperature control, and a light emitting member mounted on the rotary disk and arranged to indicate the adjusted temperature with reference to the temperature scale.

16. (Newly Added) The system according to claim 15, wherein the light emitting member is a light emitting diode.

17. (Newly Added) The system according to claim 12, where the temperature adjusting device has an indication panel that is slanted from a vertical plane.

18. (Newly Added) The system according to claim 12, where the temperature adjusting device has an indication panel that is formed with a hole, the temperature adjusting device further includes a cylindrical engaging member adapted to insert through the hole of the indication panel to co-rotatably couple with the temperature control that is positioned behind the indication panel to be moved by the cylindrical engaging member.

19. (Newly Added) The system according to claim 18, further comprising a holding ring for holding the cylindrical engaging member within the hole of the indication panel.

20. (Newly Added) The system according to claim 12, further including a sensor for detecting the temperature of the soldering iron, and the temperature adjusting device further includes a comparator for comparing the output of the sensor with a signal representative of a temperature set as a function the electric parameter determined by the movement of the temperature control, and a feedback circuit for controlling the temperature of the soldering iron in accordance with the comparison by the comparator.

21. (Newly Added) The system according to claim 12, further including a housing having a front plane on which an indication panel is located, and opposite side walls each of which is formed with a hole for fixing the housing.

22. (Newly Added) A temperature adjusting device for adjusting the temperature of a soldering iron, the device comprising:

means for engaging a temperature adjusting device with a temperature setting member to adjust the power provided to the soldering iron to control the temperature of the soldering iron;
and

means for indicating on the temperature adjusting device the adjustment made by the temperature setting member.

23. (Newly Added) The device according to claim 22, further including:

means for detecting the temperature of the soldering iron and comparing the temperature with a signal representative of the power provided to the soldering iron as the temperature by the adjustment of the temperature setting member; and

means for providing feedback to the temperature adjusting device in accordance with the comparison by the comparator.

24. (Newly Added) A method for adjusting the temperature of the soldering iron through a temperature adjusting device, the method comprising:

engaging a temperature setting member with a temperature control that is moveable relative to a temperature adjusting device;

moving the temperature setting member to adjust the temperature of the soldering iron;
and

disengaging the temperature setting member from the temperature control to set the temperature to the soldering iron to the adjusted temperature of the soldering iron.